



Existing

**From this...**



**To this...**



Design visualization  
Construction  
funding Pending

## I-90 Argonne to Sullivan Interstate Widening

This project, located in an urban area of Spokane, involves the addition of two lanes on I-90 for approximately five miles. This project has been shelved. At the time of shelving, the estimated cost of completion was approximately \$33,730,000.

# I-90 Argonne to Sullivan Interstate Widening



Noise Walls





# I-90 Argonne to Sullivan Interstate Widening

Stormwater costs \$1,767,000  
Structure footprint 9.25 acres  
Capacity 494,600 cf  
Impervious area treated 37.86 acres  
\$1.07/sf of impervious area



# I-90 Argonne to Sullivan Interstate Widening Stormwater System Rebuild

Stormwater treatment will be conducted as mitigation for stormwater runoff. The entire stormwater system will be rebuilt for an estimated total cost of \$1.77 million, or 5% of the total project. This will treat 1,649,188 square feet of impervious surface for a cost of \$1.07/sf.



# I-90 Argonne to Sullivan Interstate Widening

## **Traffic Noise Affecting Nearby Residences**

Modeling performed as part of the environmental review revealed that noise levels in some residential neighborhoods would exceed the threshold that is used to determine noise mitigation for this area. A feasibility (will it work?) and reasonableness (how much can be spent per household?) review indicated that construction of noise walls to buffer noise for some nearby residences was required in order to fulfill FHWA requirements under WSDOT guidelines. The total cost of the noise walls is estimated at \$1.84 million, or \$31.15/sf.

## Noise Walls





# I-90 Argonne to Sullivan Interstate Widening Mitigation Costs

Phase Costs	
Preliminary Engineering	\$1.63M
Right of Way	\$0.58M
Construction	\$31.52M
Total	\$33.73M

Mitigation Costs		
Mitigation Elements	All-in Mitigation Cost (*)	% of Total Project Cost
Noise walls	\$1.84M	5.5%
Stormwater treatment	\$1.77M	5.2%
Subtotal of mitigation elements	\$3.61M	10.7%
All other items	\$30.12M	89.3%
Total	\$33.73M	
(1) Construction cost includes mobilization, sales tax, and construction engineering.		
(*) All-in cost includes allocation of EIS development, preliminary engineering, and right of way added to construction cost.		

